

molecule having a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through [SEQ ID NO: 36935] SEQ ID NO: 10 and [or] complements [or fragment] thereof.

4. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule comprises a nucleic acid molecule having a nucleic acid sequence selected from the group consisting of SEQ ID NO: 1 through [SEQ ID NO: 36935] SEQ ID NO: 10, [or] and complements thereof.

8. (Amended) A [substantially purified nucleic acid molecule] vector comprising a nucleic acid sequence [molecule or fragment thereof having a pair of defined ends, wherein said pair of defined ends are] selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 10 [defined ends in Table A].

9. (Amended) The [substantially purified nucleic acid molecule] vector according to claim 8, wherein said [molecule] vector further comprises a second nucleic acid [molecule having one or two of said defined ends] sequence selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 10, wherein said second nucleic acid sequence is not identical to the first nucleic acid sequence.

Please add the following new claim:

--16. The vector of 8, wherein said vector is a bacterial artificial chromosome. --

### REMARKS

Of the 15 original claims, claims 1, 4, 8 and 9 have been amended, claim 10 has been cancelled, claims 11-15 have been withdrawn from consideration, and new claim 16 has been added. Support for these amendments and the new claim may be found in the original claims and throughout the specification, e.g., page 13, lines 23-25; and page 14, lines 24-25. Thus, no new matter is introduced by these amendments.